	Application No.	Applicant(s)
Notice of Allowability	10/079,739	FOX ET AL.
	Examiner	Art Unit
	Cao (Kevin) Nguyen	2173

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to <u>02/19/02</u>.

2. ☒ The allowed claim(s) is/are <u>1-4,6-25 and 27-42</u>.

3. ☒ The drawings filed on <u>19 February 2002</u> are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:

        1. ☐ Certified copies of the priority documents have been received.

        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
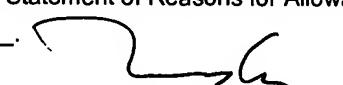
    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .

    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____ .

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date <u>02/19/02</u>

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)

6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____ .

CAO (KEVIN) NGUYEN
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

Elissa Wang on 09/29/04.

2.   Claims 5 and 26 have been cancelled.

3.   The application has been amended as follows:

1. (Currently amended) A computer-implemented graphical user interface method,

comprising: providing a toolbar graphically representing one or more tools including one or

more groups of tools, wherein a tool is represented by an icon and wherein a group of tools is

represented by one or more icons, the toolbar including a first icon representing a first group of

tools; and in response to a first user input, generating an expanded toolbar by expanding the

toolbar to replace the first icon with a plurality of icons representing tools in the first group of

tools; wherein the toolbar includes other icons and wherein generating an expanded toolbar to

replace the first icon with a plurality of icons representing tools in the first group of tools

comprises: removing the first icon from a position on the toolbar relative to the other icons

included in the toolbar and including the plurality of icons in the same position on the toolbar

relative to the other icons included in the toolbar.

2. (Original) The method of claim 1, wherein the first icon represents both the first group of tools and a first tool in the first group of tools.

3. (Original) The method of claim 1, further comprising: prior to generating an expanded toolbar, in response to a second user input selecting the first icon, displaying a secondary list including one or more icons representing the tools in the first group of tools.

4. (Original) The method of claim 3, further comprising: removing the secondary list in response to the first user input.

5. Cancelled.

6. (Original) The method of claim 1, further comprising: in response to a third user input, contracting the expanded toolbar to generate a contracted toolbar, the contracted toolbar including one or more icons, but less than the plurality of icons, representing one or more tools in the first group of tools and representing the first group of tools.

7. (Original) The method of claim 6, wherein: the contracted toolbar includes only one icon representing both the first group of tools and a tool in the first group of tools.

8. (Original) The method of claim 6, wherein: the contracted toolbar includes a single icon representing only the first group of tools.

9. (Original) The method of claim 6, wherein: expanding the toolbar includes inserting a hide icon in the expanded toolbar; and the third user input includes electronic data representing an activation of the hide icon.

10. (Original) The method of claim 1, wherein: the expanded toolbar includes one or more graphical elements distinguishing the icons representing tools in the first group of tools from other icons on the toolbar.

11. (Original) The method of claim 10, wherein: the one or more graphical elements include separator lines located before and after the icons representing tools in the first group of tools on the toolbar.

12. (Original) The method of claim 10, wherein: the one or more graphical elements include a contrasting color in which the icons representing tools in the first group of tools are displayed on the toolbar.

13. (Original) The method of claim 10, wherein: the one or more graphical elements include a border surrounding the icons representing tools in the first group of tools on the toolbar.

14. (Original) The method of claim 10, wherein: the one or more graphical elements includes a label identifying the first group of tools.

15. (Currently amended) A computer-implemented graphical user interface method, comprising: providing a toolbar graphically representing one or more tools including one or more groups of tool, wherein a tool is represented by an icon and wherein a group of tools is represented by one or more icons, the toolbar including a plurality of icons representing a plurality of tools in a first group of tools; and in response to a user input, generating a contracted

toolbar by contracting the toolbar to replace the plurality of icons with one or more icons, but less than the plurality of icons, ~~representing one or more tools in the first group of tools and representing the first group of tools~~ wherein the toolbar includes other icons and wherein contracting the toolbar to replace the plurality of icons with one or more icons, but less than the plurality of icons comprises: removing the plurality of icons from a position on the toolbar relative to the other icons included in the toolbar and including the one or more icons in the same position on the toolbar relative to the other icons included in the toolbar.

16. (Original) The method of claim 15, wherein: the contracted toolbar includes only one icon representing both a tool in the first group of tools and the first group of tools.

17. (Original) The method of claim 15, wherein: the contracted toolbar includes a single icon representing only the first group of tools.

18. (Original) The method of claim 15, wherein: the contracted toolbar includes a hide icon; and the user input includes electronic data representing an activation of the hide icon.

19. (Currently amended) A computer-implemented graphical user interface method, comprising: providing a toolbar graphically representing one or more tools including one or more groups of tools, wherein a tool is represented by an icon and wherein a group of tools is represented by one or more icons, the toolbar including a first icon representing a first tool in a first group of tools and representing the first group of tools; in response to a first user input

selecting the first icon, displaying a secondary list including one or more icons representing the tools in the first group of tools; in response to a second user input, generating an expanded toolbar by expanding the toolbar to replace the first icon with a plurality of icons representing tools in the first group of tools and removing the secondary list; and in response to a third user input, contracting the expanded toolbar to generate a contracted toolbar, the contracted toolbar including one or more icons, but less than the plurality of icons, representing one or more tools in the first group of tools and representing the first group of tools.

20. (Original) The method of claim 19, wherein: expanding the toolbar includes inserting a hide icon in the expanded toolbar; and the third user input includes electronic data representing an activation of the hide icon.

21. (Original) The method of claim 19, wherein: the expanded toolbar includes one or more graphical elements distinguishing the icons representing tools in the first group of tools from other icons on the toolbar.

22. (Currently amended) A computer program product, tangibly stored on a machine-readable medium, comprising instructions operable to cause a programmable processor to: provide a toolbar graphically representing one or more tools including one or more groups of tools, wherein a tool is represented by an icon and wherein a group of tools is represented by one or more icons, the toolbar including a first icon representing a first tool in a first group of tools and representing the first group of tools; and in response to a first user input, generate an expanded toolbar by expanding the toolbar to replace the first icon with a plurality of icons representing tools in the first group of tools;

wherein the toolbar includes other icons and wherein instructions operable to generate an

expanded toolbar to replace the first icon with a plurality of icons representing tools in the first

group of tools comprise instructions operable to:

remove the first icon from a position on the toolbar relative to the other icons included in

the toolbar and include the plurality of icons in the same position on the toolbar relative to the

other icons included in the toolbar.

23. (Original) The computer program product of claim 22, wherein the first icon

represents both the first group of tools and a first tool in the first group of tools.

24. (Original) The computer program product of claim 22, further comprising instructions

operable to: prior to generating an expanded toolbar, in response to a second user input selecting

the first icon, display a secondary list including one or more icons representing the tools in the

first group of tools.

25. (Original) The computer program product of claim 24, further comprising instructions

operable to: remove the secondary list in response to the first user input.

26. Cancelled.

27. (Original) The computer program product of claim 22, further comprising instructions

operable to: in response to a third user input, contract the expanded toolbar to generate a

contracted toolbar, the contracted toolbar including one or more icons, but less than the plurality

of icons, representing one or more tools in the first group of tools and representing the first group of tools.

28. (Original) The computer program product of claim 27, wherein: the contracted toolbar includes only one icon representing both the first group of tools and a tool in the first group of tools.

29. (Original) The computer program product of claim 27, wherein: the contracted toolbar includes a single icon representing only the first group of tools.

30. (Original) The computer program product of claim 27, wherein: instructions operable to expand the toolbar include instructions operable to insert a hide icon in the expanded toolbar; and the third user input includes electronic data representing an activation of the hide icon.

31. (Original) The computer program product of claim 22, wherein: the expanded toolbar includes one or more graphical elements distinguishing the icons representing tools in the first group of tools from other icons on the toolbar.

32. (Original) The computer program product of claim 31, wherein: the one or more graphical elements include separator lines located before and after the icons representing tools in the first group of tools on the toolbar.

33. (Original) The computer program product of claim 31, wherein: the one or more graphical elements include a contrasting color in which the icons representing tools in the first group of tools are displayed on the toolbar.

34. (Original) The computer program product of claim 31, wherein: the one or more graphical elements include a border surrounding the icons representing tools in the first group of tools on the toolbar.

35. (Original) The computer program product of claim 31, wherein: the one or more graphical elements includes a label identifying the first group of tools.

36. (Currently amended) A computer program product, tangibly stored on a machine-readable medium, comprising instructions operable to cause a programmable processor to: provide a toolbar graphically representing <u>one or more</u> tools including one or more groups of tool, wherein a tool is represented by an icon and wherein a group of tools is represented by one or more icons, the toolbar including a plurality of icons representing a plurality of tools in a first group of tools; and in response to a user input, generate a contracted toolbar by contracting the toolbar to replace the plurality of icons with one or more icons, but less than the plurality icons, ~~representing one or more tools in the first group of tools and representing the first group of tools~~ <u>wherein the toolbar includes other icons and wherein contracting the</u> toolbar to replace the plurality of icons with one or more icons, but less than the plurality of icons comprises: removing the plurality of icons from a position on the toolbar relative to the other icons included in the toolbar and including the one or more icons in the same position on the toolbar relative to the other icons included in the toolbar.

37. (Original) The computer program product of claim 36, wherein: the contracted toolbar includes only one icon representing both the first group of tools and a tool in the first group of tools.

38. (Original) The computer program product of claim 36, wherein: the contracted

toolbar includes a single icon representing only the first group of tools.

39. (Original) The computer program product of claim 36, wherien: the contracted

toolbar includes a hide icon; and the user input includes electronic data representing an activation

of the hide icon.

40. (Currently amended) A computer program product, tangibly stored on a machine-

readable medium, comprising instructions operable to cause a programmable processor to:

provide a toolbar graphically representing one or more tools including one or more groups of

tools, wherein a tool is represented by an icon and wherein a group of tools is represented by one

or more icons, the toolbar including a first icon representing a first tool in a first group of tools

and representing the first group of tools; in response to a first user input selecting the first icon,

display a secondary list including one or more icons representing the tools in the first group of

tools; in response to a second user input, generate an expanded toolbar by expanding the toolbar

to replace the first icon with a plurality of icons representing tools in the first group of tools and

remove the secondary list; and in response to a third user input, contract the expanded toolbar to

generate a contracted toolbar, the contracted toolbar including one or more icons, but less than

the plurality of icons, representing one or more tools in the first group of tools and representing

the first group of tools.

41. (Original) The computer program product of claim 40, wherein: instructions operable

to expand the toolbar include instructions operable to insert a hide icon in the expanded toolbar;

and the third user input includes electronic data representing an activation of the hide icon.

42. (Original) The computer program product of claim 40, wherein: the expanded toolbar includes one or more graphical elements distinguishing the icons representing tools in the first group of tools from other icons on the toolbar.

Allowable Subject Matter

4.   Claims 1-4, 6-25 and 27-42 are allowed over the prior art of record.

The following is a statement of reasons for the indication of allowable subject matter: Applicant has claimed uniquely distinct features in the instant invention which are not found in the prior art either singularly or in combination of a computer-implemented graphical user interface method, comprising: providing a toolbar graphically representing one or more tools including one or more groups of tools, wherein a tool is represented by an icon and wherein a group of tools is represented by one or more icons, the toolbar including a first icon representing a first group of tools; and in response to a first user input, generating an expanded toolbar by expanding the toolbar to replace the first icon with a plurality of icons representing tools in the first group of tools; wherein the toolbar includes other icons and wherein generating an expanded toolbar to replace the first icon with a plurality of icons representing tools in the first group of tools comprises: removing the first icon from a position on the toolbar relative to the other icons included in the toolbar and including the plurality of icons in the same position on the toolbar relative to the other icons included in the toolbar. These features are not found or suggested in the prior art.

The present invention is directed to generating an expanded toolbar by expanding the toolbar to replace the first icon with a plurality of icons representing tools in the first group of tools; wherein the toolbar includes other icons and wherein generating an expanded toolbar to replace the first icon with a plurality of icons representing tools in the first group of tools comprises: removing the first icon from a position on the toolbar relative to the other icons included in the toolbar and including the plurality of icons in the same position on the toolbar relative to the other icons included in the toolbar. Each independent claim is identified *"wherein the toolbar includes other icons and wherein generating an expanded toolbar to replace the first icon with a plurality of icons representing tools in the first group of tools comprises: removing the first icon from a position on the toolbar relative to the other icons included in the toolbar and including the plurality of icons in the same position on the toolbar relative to the other icons included in the toolbar."* The closest prior art Morton et al. and Arcuri et al. discloses a conventional the toolbar display attempts to expand to incorporate the selected control; either singularly or in combination fail to anticipate or render the above underline limitations obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cao (Kevin) Nguyen whose telephone number is (703)305-3972. The examiner can normally be reached on 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, John Cabeca can be reached on (703)308-3116. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Cao (Kevin) Nguyen
Primary Examiner
Art Unit 2173

10/15/04